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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
09/369,236	08/04/1999	GRANT A. KRAFFT	97002-C	6514
20306 75	90 10/06/2004		EXAMINER	
MCDONNELL BOEHNEN HULBERT & BERGHOFF LLP			GUPTA, ANISH	
300 S. WACKER DRIVE 32ND FLOOR CHICAGO, IL 60606		ART UNIT	PAPER NUMBER	
			1654	
			DATE MAILED: 10/06/2004	4

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)				
	09/369,236	KRAFFT ET AL.				
Office Action Summary	Examiner	Art Unit				
	Anish Gupta	1654				
The MAILING DATE of this communication a Period for Reply	appears on the cover sheet t	vith the correspondence address				
A SHORTENED STATUTORY PERIOD FOR REF THE MAILING DATE OF THIS COMMUNICATION - Extensions of time may be available under the provisions of 37 CFR after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a r - If NO period for reply is specified above, the maximum statutory perions - Failure to reply within the set or extended period for reply will, by state that the period for the maximum statutory perions are reply received by the Office later than three months after the may be a feel that the maximum statutory and the second state of	N. 1.136(a). In no event, however, may a eply within the statutory minimum of th od will apply and will expire SIX (6) MC tute, cause the application to become	reply be timely filed irty (30) days will be considered timely. NTHS from the mailing date of this communication. ABANDONED (35 U.S.C. § 133).				
Status						
1) Responsive to communication(s) filed on 14	July 2004.					
2a)⊠ This action is FINAL . 2b)□ TI						
3) Since this application is in condition for allow closed in accordance with the practice unde	-	·				
Disposition of Claims						
4) ☐ Claim(s) 1-3,11,45 and 46 is/are pending in 4a) Of the above claim(s) is/are withd 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 1-3,11,45 and 46 is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction and	rawn from consideration.					
Application Papers						
9) The specification is objected to by the Exami	ner.					
10) The drawing(s) filed on is/are: a) a	10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.					
Applicant may not request that any objection to the	ne drawing(s) be held in abeya	ance. See 37 CFR 1.85(a).				
Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the		-				
Priority under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority docume 2. Certified copies of the priority docume 3. Copies of the certified copies of the prapplication from the International Bure * See the attached detailed Office action for a li	ents have been received. ents have been received in riority documents have bee eau (PCT Rule 17.2(a)).	Application No n received in this National Stage				
Attachment(s)						
1) Notice of References Cited (PTO-892)		Summary (PTO-413)				
 Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/0 Paper No(s)/Mail Date 	F	(s)/Mail Date Informal Patent Application (PTO-152) 				

1. The amendment filed, 7-14-04, is acknowledged. Claim 1, -3, and 11 were amended by the amendment. Claims 1-3, 11, and 45-46 are pending in this application.

2. In light of Applicants response, all rejection made in the previous office action are hereby withdrawn. New Grounds of Rejections to address the amendments to the claims follow below.

New Grounds For Rejection

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 3. Claims 1-3, 11 and 45-46 are rejected under 35 U.S.C. 102(b) as being anticipated by Kuo et al.

The claims have been amended, again, to recite that the claimed proteins have 13 to 24 amyloid β1-42 proteins. Dependent claims state that the molecular weight of this isolated oligomeric structure is between 36 and 108kDa (see claim 3). The reference discloses oligomeric structures that have a molecular weight greater than 100kDa. Specifically, sample table III of the reference discloses numerous samples that have Aβ N1-42, in combination with Aβ N1-40, which are soluble and have a molecular weight great than 100kDa (see page 4080, table III). The reference also discloses water-soluble proteins that have a molecular weight of between 100kDa and 30kDa.

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Note that these disclosed molecular weight are well within the range claimed in claim 3 of the instant application. Moreover, the reference discloses that the these molecular weight fractions were ocatmeric or larger (see page 4080, left column). Since the reference discloses water soluble amlyoid β N-42 having a polymeric structure, that are octameric or larger, and have a molecular weight within the range that is claimed, the reference anticipates the claimed invention. As a final note, it is acknowledged that the reference discloses a ratio of A β N1-42 and A β N-40. This still reads on the claimed invention since the claims allows for any amyloid oligomeric structure so long as A β N-42 is present. Further, the reference discloses oligomer which have a much larger ratio of A β N-42 than A β N-40, for example sample 5 and 8 disclosed in table III.

The claims have also been amended to recite that the oligomeric structure exhibits neurotoxic activity. The MPEP states,:

"Where the claimed and prior art products are identical or substantially identical in structure or composition, or are produced by identical or substantially identical processes, a prima facie case of either anticipation or obviousness has been established. In re Best, 562 F.2d 1252, 1255, 195 USPQ 430, 433 (CCPA 1977). "When the PTO shows a sound basis for believing that the products of the applicant and the prior art are the same, the applicant has the burden of showing that they are not." In re Spada, 911 F.2d 705, 709, 15 USPQ2d 1655, 1658 (Fed. Cir. 1990). Therefore, the prima facie case can be rebutted by evidence showing that the prior art products do not necessarily possess the characteristics of the claimed product. In re Best, 562 F.2d at 1255, 195 USPQ at 433."

Here, a prima facie case of anticipation has been made as indicated above. Thus, the prior art composition would necessarily exhibit neurotoxic activity.

4. The reference of Kuo et al. was previously applied, on 6-21-02, and thus the reference has not been cited on Notice of References form.

5. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Anish Gupta whose telephone number is (571)272-0965. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Bruce Campell, can normally be reached on (571) 272-0974. The fax phone number of this group is (703) 308-4242.

Any inquiry of a general nature or relating to the status of this application should be directed to the Group receptionist whose telephone number is (703) 308-0196.

Anish Gupta Patent Examiner

BRUCE R. CAMPELL, PH.D SUPERVISORY PATENT EXAMINER TECHNOLOGY CENTER 1600

Bruie Campell